

## EAST Search History

| Ref # | Hits  | Search Query  | DBs                | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|--------------------|------------------|---------|------------------|
| L1    | 6     | polyhydroxystyrene with polyphenol  | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/01/17 13:43 |
| L2    | 1     | "6555607".pn.   | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/01/17 13:47 |
| L3    | 74377 | polyphenol\$1 or catechin\$1 or anthocyanidin\$1 or flavan\$6diol\$1 or proanthocyanidin\$1 or resorcinol\$1 or pyrogallol\$1 or (gallic adj acid\$1) or glycoside\$1 | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/01/17 14:39 |
| L4    | 78    | 3 with (etching)  | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/01/17 13:50 |
| L5    | 17    | 3 with (etching adj resistance).  | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/01/17 13:56 |
| L6    | 1     | 3 with (etching with (improv\$5 or enhanc\$5 or increas\$5))  | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/01/17 13:57 |
| L7    | 5     | 3 with (etch\$5 with (improv\$5 or enhanc\$5 or increas\$5))  | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/01/17 14:20 |
| L8    | 1     | "6579657".pn. and (imide or ammonium)   | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/01/17 14:21 |
| L9    | 1     | "5424368".pn.   | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/01/17 14:30 |
| L10   | 1     | "6555607".pn.   | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/01/17 14:35 |
| L11   | 0     | "6555607".pn. and (imide or ammonium)   | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/01/17 14:35 |
| L12   | 1     | "6579657".pn. and (imide or ammonium)   | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/01/17 14:35 |
| L13   | 0     | 3 and 12  | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/01/17 14:39 |
| L14   | 0     | 3 and "6579657".pn.   | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/01/17 14:39 |
| L15   | 0     | 3 and "6555607".pn.   | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/01/17 14:40 |
| L16   | 0     | (imide or ammonium) and "6555607".pn.   | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/01/17 14:40 |
| L17   | 1     | (imide or ammonium) and "6579657".pn.   | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/01/17 14:43 |
| L18   | 1     | (imide or ammonium) and "5424368".pn.   | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/01/17 14:47 |
| L19   | 0     | 3 and "5424368".pn.   | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/01/17 14:44 |

## EAST Search History

|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| L20 | 106  | (resin or polymer) and (crosslink\$5) and water and surfactant\$1 and (imide or ammonium)                                  | FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/17 14:54 |
| L21 | 5    | 20 and ((polyvinyl adj alcohol) or (polyvinyl adj acetal) or (polyvinyl adj acetate))                                      | FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/17 14:50 |
| L22 | 35   | (resin or polymer) and (crosslink\$5 adj agent) and water and surfactant\$1 and (imide or ammonium)                        | FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/17 15:26 |
| L23 | 1345 | ((resin or polymer) same (crosslink\$5 adj agent\$1) same water) and (\$4ionic adj surfactant\$1) and (imide or ammonium)  | US-PGPUB;<br>USPAT                        | OR | OFF | 2008/01/17 15:28 |
| L24 | 71   | ((resin or polymer) same (crosslink\$5 adj agent\$1) same water same (\$4ionic adj surfactant\$1)) and (imide or ammonium) | US-PGPUB;<br>USPAT                        | OR | OFF | 2008/01/17 15:55 |
| L25 | 44   | 24 and polyvinyl\$   | US-PGPUB;<br>USPAT                        | OR | OFF | 2008/01/17 15:55 |

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| Ref # | Hits  | Search Query   | DBs                | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|--------------------|------------------|---------|------------------|
| L1    | 1     | "20040121259".pn.  | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/01/17 17:21 |
| L2    | 33130 | kozawa.inv. or nozaki.inv. or<br>namiki.inv. or kon.inv. or (fujitsu<br>adj limited).as.                                 | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/01/17 17:21 |
| L3    | 1     | 2 and ((resin or polymer) with<br>(crosslinking adj agent\$1) with<br>(nitrogen\$1containing or nitrogen)<br>with water) | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/01/17 17:24 |
| L4    | 10    | 2 and ((resin or polymer) with<br>(crosslinking adj agent\$1) with<br>(pure adj water))                                  | US-PGPUB;<br>USPAT | OR               | OFF     | 2008/01/17 17:24 |